

DERWENT-ACC-NO: 1987-352718  
 DERWENT-WEEK: 198750  
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TITLE: Method for recovering ruthenium - by flowing chlorine while heating material contg. ruthenium, its oxide and substrate metal oxide in presence of carbon or carbon monoxide

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PRIORITY-DATA: 1986JP-0098637 (April 28, 1986)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 62256931 A	November 9, 1987	N/A	003	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP62256931A	N/A	1986JP-0098637	April 28, 1986

INT-CL\_(IPC): C22B007/00; C22B011/06

ABSTRACTED-PUB-NO: JP62256931A

BASIC-ABSTRACT: Ru is recovered by flowing Cl<sub>2</sub> gas while heating a material contg. Ru, or its oxide and substrate metal oxide in the presence of C or CO to convert the Ru, or its oxide and the substrate metal oxide to their chlorides, and sepg. using the difference of the vapour pressure of each substance. The heating temp. is the b. pt. of the substrate metal chloride or higher.

USE/ADVANTAGE - Ru is recovered from a metal substrate oxide in a yield of at least 99%, and economically (without multi-step wet-type processing), in a short time. /1

TITLE-TERMS:

METHOD RECOVER RUTHENIUM FLOW CHLORINE HEAT MATERIAL CONTAIN  
 RUTHENIUM OXIDE  
 SUBSTRATE METAL OXIDE PRESENCE CARBON CARBON MONO OXIDE

DERWENT-CLASS: E31 J01 M25

CPI-CODES: E11-Q01; E35-X; J01-K; M25-F; M25-G20;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*  
 Fragmentation Code

A544 A940 C017 C100 C730 C801 C803 C804 C805 C806  
C807 M411 M720 M903 M904 N163 Q431 Q469  
Specific Compounds  
06070P  
Registry Numbers  
87140 1286M

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1423S; 1669S ; 1781S

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1987-151039